

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#3

Attorney Docket No.: RTSP-0155  
Inventors: Monia and Cowsert  
Serial No.: Not Yet Assigned  
Filing Date: Herewith  
Examiner: Not Yet Assigned  
Group Art Unit: Not Yet Assigned  
Title: Antisense Modulation of AKT-2 Expression

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I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Box PCT, Washington, D.C. 20231.

By

*Deborah Ehret*

Typed Name: Deborah Ehret

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

### INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

(XX) In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified

application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.

( ) In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:

( ) Certification in Accordance with §1.97(e) is set forth below; or

( ) The fee of \$240.00 as set forth in §1.17(p) is attached.

( ) In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(i)(1).

( ) Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith.

(XX) In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified)

are not enclosed herewith because they were previously submitted to the U.S. Patent and Trademark Office as the PCT Receiving Office and are referenced in the International Search Report (AA, AB and AA) or were previously submitted to the U.S. Patent and Trademark Office in Serial No.

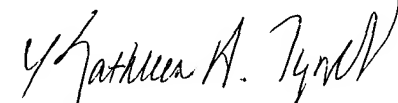
09/256,465, filed February 23, 1999.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

( ) The relevance of the listed references in a foreign language is as stated in the specification at pages @@.

(XX) All listed references are in the English language.

Respectfully submitted,



Kathleen A. Tyrrell  
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Date: August 16, 2001

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Sheet 01 of 03

<b>Form PTO-1449 Modified</b>  List of Patents and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. RTSP-0155	Serial No. 097913800 Not Yet Assigned
	Applicant Monia and Cowsert	
	Filing Date Herewith	Group Not Yet Assigned

## U. S. PATENT DOCUMENTS

Examiner		Document	Date	Name	Class	Subclass
	AA	5,801,154	9-1-98	Baracchini et al.		
	AB	5,702,890	12-30-97	Housman	435	6

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO	
	AC	WO 98/41648	24-9-98	PCT	X	

EXAMINER

DATE CONSIDERED

<b>Form PTO-1449 Modified</b>		Docket No. <b>RTSP-0155</b>	Serial No. <b>09/913800</b> <del>Not Yet Assigned</del>
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant <b>Monia and Cowsert</b>	
		Filing Date <b>Herewith</b>	Group <b>Not Yet Assigned</b>
U.S. Department of Commerce			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AA	Cheng et al., "Amplification of AKT2 in human pancreatic cancer cells and inhibition of AKT2 expression and tumorigenicity by antisense", <i>RNA Proc. Natl. Acad. Sci. USA</i> <b>1996</b> 93:3636-3641	
	AB	Cheng et al., "AKT2, a putitive oncogene encoding a member of a subfamily of protein-serine/threonine kinases, is amplified in human ovarian carcinomas", <i>Proc. Natl. Acad. Sci. USA</i> <b>1992</b> 89:9267-	
	AC	Erdile et al., "Characterization of cDNA Encoding the 70-kDa Single-stranded DNA-binding Subunit of Human Replication Protein A and the Role of the Protein in DNA Replication", <i>J. Biol. Chem.</i> <b>1991</b> 266(18):12090-12098	
	AD	Rodriquez et al., "Genetic Changes in Epithelial Solid Neoplasia <sup>1</sup> ", <i>Cancer Research</i> <b>1994</b> 54:3398-3406	
	AE	Alessi et al., "Mechanism of activation and function of protein kinase B", <i>Curr. Opin. Genet. Dev.</i> <b>1998</b> 8:55-62	
	AF	Bellacosa, et al., "Molecular alterations of AKT2 oncogene in ovarian and breast carcinomas", <i>Int. J. Cancer</i> <b>1995</b> 64:280-285	
	AG	Calera et al., "Insulin increases the association of AKT2 with Gluta4-containing vesicles", <i>J. Biol. Chem.</i> <b>1998</b> 273:7201-7204	
	AH	Cohen et al., "PDK1, one of the missing links in insulin signal transduction?", <i>FEBS Lett.</i> <b>1997</b> 410:3-10	
	AI	Franke et al., "Direct regulation of the AKT proto-oncogene product by phosphatidylinositol-3,4-bisphosphate [see comments]," <i>Science</i> <b>1997</b> 275:665-668	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

<b>Form PTO-1449 Modified</b>		Docket No. <b>RTSP-0155</b>	Serial No. <b>097 91 3800</b> <del>Not Yet Assigned</del>
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant <b>Monia and Cowsert</b>	
		Filing Date <b>Herewith</b>	Group <b>Not Yet Assigned</b>
U.S. Department of Commerce			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AJ	Meier et al., "Mitogenic activation, phosphorylation, and nuclear translocation of protein kinase Bbeta", <i>J. Biol. Chem.</i> <b>1997</b> 272:30491-30497	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	